Dryden Research Library Newsletter
October 2003

Dryden Research Library is located in Bldg. 4800 Room 2412.
Check out our home page:
http://www.dfrc.nasa.gov/Organizations/TechPubs/Library/index.html -
http://www.dfrc.nasa.gov/Organizations/TechPubs/Library/index.html

For any of your library needs please contact via email or call:

Barbara Rogers, the Librarian at ext. 3702, email:
barbara.rogers@dfrc.nasa.gov
Sylvia Dolber, the Library Technician at ext. 3127, email:
sylvia.dolber@dfrc.nasa.gov

The Dryden Research Library staff are part of the ITI/SCSC Team and their Technical Monitor is Ron Ray, at ext. 3687, email ron.ray@dfrc.nasa.gov

http://NASAeronauticsSpaceDatabase.nasa.gov/

The NASA Aeronautics and Space Database is now available to NASA employees, NASA contractors and grantees, and U.S. Government Agencies and their contractors and grantees.

From your own workstation, you are able to access over 3.4 million metadata records that include citations and abstracts of NASA technical reports, videos, journal articles, and conference proceedings. Content for this knowledge base ranges from the early National Advisory Committee on Aeronautics (NACA) publications to today's newest research. Innovative features include full-text images in searchable portable data format (PDF), custom display formats, saved search capability, and online document and videos purchase.

Existing users of either the Aeronautics and Space Access Page (ASAP) or REsearch CONnection plus (RECONplus) have received transfer request forms. For new users who prefer individual access, registration with the NASA Center for AeroSpace Information (CASI) is required. Registration information, along with information on training sessions, can be found at http://www.sti.nasa.gov/. At this Web site, group access is available for users in the nasa.gov domain who do not wish to register individually, do not need to access restricted materials, and are not interested in online shopping.

Our NASA Scientific and Technical Information (STI) Help Desk representatives are available to assist you Monday through Friday from 9:00 a.m. to 5:30 p.m.

(Eastern Time). Please call (301) 621-0390, and we will gladly answer any questions you may have about the NASA Aeronautics and Space Database.

The NASA Aeronautics and Space Database……a new way to connect with scientific and technical information.

New Books at Dryden Research Library:

Reference Books -

JK 2403 .S77 State Yellow Book-Spring 2003
TL 795.5 C65 Columbia Accident Investigation Board Report V.1 c.1 Aug. 2003

Circulating Books -

HD 57.7 C645 Good to Great by Jim Collins 2001
HD 57.7. T749 Five-star Leadership by Patrick L. Townsend 1997
HD 7269. A982 U6 Assessing the effectiveness of an occupational safety program in a automotive manufacturing plant by Robert DuPrey 2002
QA 402 .R63 Linear and nonlinear discrete-time state-space modeling of dynamic systems and control applications by Eduardo A. Rodrigues 1993
TA 347 .F G87 Finite element multidisciplinary analysis by Kajal K. Gupta and John L. Meek
TL 782 .J64 Design, characterization, and performance of a valveless pulse detonation engine by Robert G. Johnson
TL 795.5 C65 Columbia Accident Investigation Board Report V.1 c.2 2003
TL 1050 .B35 An introduction to the mathematics and methods of astrodynamics by Richard H. Battin 1987

Dryden Authors Published in September:

1. Allen, Michael J. and Ryan Dibley, *Modeling Aircraft Wing Loads from Flight Data Using Neural Networks*, NASA/TM-2003-212032, September 2003. Also presented at the SAE World Aviation Congress, Montreal, Quebec, Canada.

2. Smith, Mark S., Timothy R. Moes and Eugene A. Morelli, *Real-Time Stability and Control Derivative Extraction From F-15 Flight Data*, NASA/TM-2003-202127, September 2003.

3. Grindle, Thomas J. and Frank W. Burcham, Jr., *Engine Damage to a NASA DC-8-72 Airplane >From a High-Altitude Encounter With a Diffuse Volcanic Ash Cloud*, NASA-TM-2003-212030, September 2003.

4. Urschel, Peter H. and Timothy H. Cox, *Launch Condition Deviations of Reusable Launch Vehicle Simulations in Exo-Atmospheric Zoom Climbs*, NASA-TM-2003-212023, September 2003.

5. Vachon, M. Jake, Ronald J. Ray, Kevin R. Walsh, and Kimberly Ennix, *F/A-18 Performance Benefits Measured During the Autonomous Formation Flight Project*, NASA-TM-2003-210734, September 2003.

6. Hanson, Curtis E., *A Fuzzy Technique for Performing Lateral-Axis Formation Flight Navigation Using Wingtip Vortices*, NASA-TM-2003-212033, September 2003.

7. Gorn, Michael , *A Powerful Friendship: Theodore von Kármán and Hugh L. Dryden*, NASA/TM-2003-212031, September 2003.

The First Century of Flight - NACA/NASA Contributions to Aeronautics:

1947- X-1 was the first piloted supersonic aircraft to "break the sound barrier." Chuck Yeager flew the air-launched, rocket-powered first "X" series experimental aircraft faster than the speed of sound, ushering in the era of supersonic flight.

October 1, 1958- National Aeronautics and Space Administration (NASA) was formed. The 1958 Space Act was signed, establishing NASA as the organization responsible for both aeronautics and astronautics. NACA formed the core of this new space agency with other organizations from the Army and the Navy.

The NASA Dryden Research Library gives Library Tours and Orientation. They will be twice a month on Friday afternoons and take 30 minutes to an hour. This is available for Dryden employees or staff that would like more information on the Research Library services. A tour of the library facilities will be given, with handouts about library services. There will be demonstrations on searching several databases accessible from the Research Library website, including AIAA, Science Direct, ASAP, DTRS, etc.

You can bring information on topics you would like to search. Please call Barbara Rogers at ext. 3702 to schedule an appointment.

Sylvia Dolber
Library Technician
Dryden Research Library
ITI/SCSC Team